



United States
Department of
Agriculture

Forest
Service

Arizona Zone
Entomology and
Pathology

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File Code: 3400
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Date: December 29, 1999

Subject: Biological Evaluation of a Spruce and Western Balsam Bark Beetle Outbreak on
Mt. Graham, Safford Ranger District, Coronado National Forest

To: Forest Supervisor, Coronado National Forest

Please find enclosed a Biological Evaluation prepared by Jill Wilson and others concerning a Spruce and Western Balsam Bark Beetle outbreak affecting Mt. Graham. The report discusses the current situation with the outbreak, projects future trends and offers several management alternatives for your consideration.

Survey results indicate that mortality rates have been quite high in the vicinity of Hawk Peak, Emerald Peak, and Mt. Graham. However, many of the most susceptible stands on the mountain have already been infested. Areas most likely to receive additional mortality are those adjacent to currently infested areas and any additional "high" risk stands. Management alternatives presented include: no action, sanitation, trap trees, pheromones, and insecticides.

If you have any questions about this report or require further assistance please contact Jill Wilson at (520) 556-2074 or via email at jwilson/r3,coconino

/s/ Bobbe Fitzgibbon

BOBBE FITZGIBBON
Acting Zone Leader

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